

RAW SEQUENCE LISTING

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Application Serial Number: 10/750,185
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PATENT APPLICATION: US/10/750,185

DATE: 07/11/2005

TIME: 15:59:33

Input Set : E:\MMI1100-2.txt

Output Set: N:\CRF4\07112005\J750185.raw

3 <110> APPLICANT: MMI GENOMICS, INC.
 4 DeNISE, Sue K.
 5 KERR, Richard
 6 ROSENFELD, David
 7 HOLM, Tom
 8 BATES, Stephen
 9 FANTIN, Dennis

11 <120> TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
 13 <130> FILE REFERENCE: MMI1100-2
 15 <140> CURRENT APPLICATION NUMBER: US 10/750,185
 16 <141> CURRENT FILING DATE: 2003-12-31
 18 <150> PRIOR APPLICATION NUMBER: US 60/437,482
 19 <151> PRIOR FILING DATE: 2002-12-31
 21 <160> NUMBER OF SEQ ID NOS: 64922
 23 <170> SOFTWARE: PatentIN version 3.1
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 600
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Bovine MMBT02545
 30 <400> SEQUENCE: 1

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35	cggattaaag	aaacaatcca	atggtgacaa	agaaatattt	ataacataaa	tcataattaa	180
37	atattagata	aataaacata	aaaataatgt	cccaaaagga	ttcccaagaa	agacaattta	240
39	atggacaaag	gcagggatat	atatgaatgc	ttaaattggt	tcatgaatat	tgattagctr	300
41	gatttttttt	agtgtgtgag	tgaaggagta	gtatgctgag	ggacaaaagt	gatggaccca	360
43	aatctgagtt	ttatggtttt	tcagataaat	acgcattttt	gtttattttac	acagagagat	420
45	attgtcctac	taatatgata	tctccaccag	gcccatataa	acttatgtgc	taacctctgt	480
47	ttcacacatt	aacgacaaac	aggacataac	gcttctgcac	gaaaggaaac	acatactgag	540
49	agttgtttga	aacaaaaaaa	aaaaaggaag	aaggaggaaa	aacctgatct	tttgtaaata	600

52 <210> SEQ ID NO: 2
 53 <211> LENGTH: 600
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Bovine MMBT05243
 57 <400> SEQUENCE: 2

58	aagcaggaag	catcattcat	ctgccacatg	tttccaacta	tggaaaatta	attccaaagg	60
60	acagactcat	gaatctactt	ataaagggtg	gacactgaca	catttcttca	ctgtaggaac	120
62	gcccatgact	gtgtgccagc	tacctcgaac	atggggaaat	cgtttctcat	caattgtacc	180
64	ttttagcgca	aaagtttctt	aagctgtagg	tgcagaagag	attgtcccag	tctgacagat	240
66	ggagaaactg	aggcagagag	gacgaagggc	ttgtttcctc	atcagagcta	gagagcagay	300
68	gtgtttcata	ttttttttcc	tcagactacg	tttttccacc	tgctactgta	aggaccttca	360
70	ccaagtttat	gacccttaaa	atgtctttta	tttcttaaaa	tccaaaagta	ataattaata	420
72	gccccaaaga	cttagtgcca	ctgcagctgc	tgaggccagg	aacggttact	cggtaggagc	480

(ps. 67)

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74 ctaatgctgg agcagtgtg cccctggtg cctactggga gtattcccag atttcctag      540
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82 <213> ORGANISM: Bovine MMBT09018
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89 gcttccatct ttaatcctct ttgtgttcac tactttatat tgaaagtatt cttcaggctg      180
91 attttttttt tccccctcc aacccttcag tcatacgag tgaaaaaagt catatgaatt      240
93 aaatataaat aggttttcta ggctttaaaa attattaaat attcacagtt cctaagtcty      300
95 gactctttct gtggcagcca ggcactactc aggggaagag atataaaagt agctttaaaa      360
97 cagaaggaca agatgtactt ttcttttagta aaaagggtgaa agaaatttta agatgagatt      420
99 cagaaaaggg gcagggttagg ttctaaacta agattctcaa gttctaaaca gaatttcgct      480
101 taaggacact tatttattaa aactcctttt cctttttccc aatgaagcct aataccctga      540
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109 <213> ORGANISM: Bovine MMBT06945
111 <400> SEQUENCE: 4
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116 caacacaaac atggatctag atggattatc ataaagcaaa catctctgga cccaccacag      180
118 gagtcaataa atacaacaca ggagacatca cagaagactg ctgttagcct cccaatcccg      240
120 aggcctcttc tctcccagaa aaggcagtct ctaacaaagt tgtcttagtt tctcttcccr      300
122 tttctccaaa gttttaaaat cttagcagac ccttcacatt taaagttgtg gacctctttc      360
124 tatgctaatt aattcatcac tccttttaat gactctatct taaaaagaga ggtacctgck      420
126 tacatttttt aactgctcag attttaaatg tctacttgtc atattaacgt gaattgtttt      480
128 actgtgcagt atgcrгатgc ttccagggtgc cagtcatttg gataagcatt gccatttgcc      540
130 cccagttaaa tggccttaga cctctgaaat acttctaatt cattcctttg tgccctttca      600
133 <210> SEQ ID NO: 5
134 <211> LENGTH: 372
135 <212> TYPE: DNA
136 <213> ORGANISM: Bovine MMBT17660
138 <400> SEQUENCE: 5
139 ttttaatggt atgaaagtat ttaatatctt aaaatcagag tccacatcaa ataatttttc      60
141 tttattcaac tcttatctga gtttccaatt ctgaaaaatc aagaaattca ttcaaaaatt      120
143 atagatagct gtagatataa gtatcagtct cagtactcac atggcatttt ttttcctgct      180
145 tgcttttgaa taaaaaccta cataatgaac acgataatat ggtaggattt gggccatgta      240
147 attttcccat ttagactttt ttcattcatt ttctgtaatc tgatctcatg gtcttcttgm      300
149 ttttctccct cttgaagttt aacgtcattt tcattttttc acaacgttgg ctgtaagttt      360
151 tctttctttt tt                                     372
154 <210> SEQ ID NO: 6
155 <211> LENGTH: 600
156 <212> TYPE: DNA
157 <213> ORGANISM: Bovine MMBT17471
159 <400> SEQUENCE: 6

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160 cctagtctac actgaatctg gcaatcagga aatctgctag gcccctgtga acacagggtga      60
162 caatttctct tagtgccatc ggtgtatgtt acaagggcgg ggattgggct gatccgactc      120
164 atgcagttat tcaagaaaag aggtggctca gactcgctct gcttcaccaa ggatagaagg      180
166 ggagcggctt aggaagggtt taatttagct gaaaatacaa atggcaaaat caaaggtaat      240
168 tttttccctc ctgctgtaag aaaccagtg acatctgtga ggtggtttga ttcacatcar      300
170 gggaagcttt tgaaaaatgg agatggcaat taattggact tcagaggatg gtgacagttt      360
172 tttctaattg cttgatttcc tatcaagaca ttggccactt ttctgcaggg cctcaagaca      420
174 gtaattagat gtcattgtcg aatgtgactc caaggtctca ggcgacacca gttctaacta      480
176 gagcgccccc aaacacagga tgagacaatc agcttgcccg gcggcgctcac ctgagagtca      540
178 acgcagcctt ccctcttcaa caacatggga aaaccgagat caatggagca gtttcacttt      600

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181 <210> SEQ ID NO: 7

182 <211> LENGTH: 600

183 <212> TYPE: DNA

184 <213> ORGANISM: Bovine MMBT14829

186 <400> SEQUENCE: 7

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191 aaacactact gtgaattact gttggattgt ggtgggtggtg gtggtgcagg aggaggagag      180
193 gagaggagac ccctttaggg gaatgtgttg ggggttgagca ttgagaacta ggatgtttct      240
195 gtgtggatca ggtttgtgca gagatggatc aatgactcag gagtgtacac agatcctatk      300
197 ctttgtaccc tttagaaatt aggctgatca tcagcctcac cttgaaatat ctcttattcc      360
199 ttgttaatca acatgtggaa ctgttgaagg aatgtctggt gatggatata tttcaactaa      420
201 tcttaaaatg gtggatgtct gtttaatttt aaactgggta ccatgacatc ccctgtgctg      480
203 aacattcaca aacagctgga cttagaagga aatgtacaaa tgtagtggtc acagattact      540
205 aatataatga gggctgacag aattattata ggtcaccgag cctttaaata acatttattt      600

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208 <210> SEQ ID NO: 8

209 <211> LENGTH: 598

210 <212> TYPE: DNA

211 <213> ORGANISM: Bovine MMBT00031

213 <220> FEATURE:

214 <221> NAME/KEY: misc_feature

215 <222> LOCATION: (1)..(90)

216 <223> OTHER INFORMATION: n is any nucleotide

218 <400> SEQUENCE: 8

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W--> 219 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      60
221 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aatgtccagc cttgtttaga tccaccagaa      120
223 gtgttgaata tatggacttt catgacgtta cctaaacact tggccttcct ctcaacatcc      180
225 taaacatttg cttgtgaatt ttcttgattt gggatttata tttctgaagc atacacccaa      240
227 gggaagggat tcaggactgt cctcaccacac ctctgtccat ggctcttttc cacaaaaacr      300
229 cctattcctt ctaggctcat cttttgttca ctgccttccc tgctggtcta cccagctcct      360
231 atggcaaggc ctccctcacg ccagacttcc tccragaaat cactmtggac ccctcagccc      420
233 atcttctcct gcccatctct gaatacatct gggacctgat ttcatctgga ctgctgctct      480
235 ggttgtgtca ttgataagtt agctgacaaa gacaaaatga agtctaatac aaaatgaacc      540
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240 <210> SEQ ID NO: 9

241 <211> LENGTH: 600

242 <212> TYPE: DNA

243 <213> ORGANISM: Bovine MMBT00078

245 <400> SEQUENCE: 9

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246 gctttatggg gctggtttgg gcaaagcctg tgctattttt tttaaatgtt gcctggggat 60
248 ccaggtttct atatggacct gcacagatgg gggtttaagc tatggatttg gaaggcaaag 120
250 ccacacgtct cctctggttt tgagaagaga tctaattccag gatctgactg ctcatgctcc 180
252 atcctcattg ggacattttc tgagctgagg tgtgagcaaa gcatcagcta aaacatgcac 240
254 cctgaggagc aaatagaaac ctagggtggg ccccatcctc cttgcatggc tgcaggggtr 300
256 gtgtttgaat ggggtgtcct tcctgactga tggccaccgt cagagggaaa tctctgaaag 360
258 cagataccag tttgagccat ggctctgccc gctctgggct gtgtgacctc agataagtca 420
260 ctgctgttct ctgagaccat ttctcttttt cgtgaggagg tgagggtcag ggctatgggtg 480
262 aggtgttcca gagaagggtg gtttgacac acctggcact tgtgctgggc agcagaggat 540
264 gcatgggaac ccgaacctgg gttggggtca gggggctggg ggaaaggagg agagtgggga 600

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267 <210> SEQ ID NO: 10

268 <211> LENGTH: 598

269 <212> TYPE: DNA

270 <213> ORGANISM: Bovine MMBT00032

272 <220> FEATURE:

273 <221> NAME/KEY: misc_feature

274 <222> LOCATION: (1)..(31)

275 <223> OTHER INFORMATION: n is any nucleotide

277 <400> SEQUENCE: 10

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280 cttttctctt tttccccccc ttttagtagt caagggaaaa aaaaaaagag caagcagagc 120
282 tgaacaggtat cattcagccg ccctggcttg tgagggtggg tataaatgaa tctcagggct 180
284 cctggcttca catgattcaa acatgcgtta ttgaagatgg atgttcctta aaaaaagatt 240
286 gatggtggat gccgggctta gggtgccatt tatcattttg aatattattt agacttgccr 300
288 tgtaaacctg taacttgaga gttggacgag ccgrggctgg gtaggggcct gtgtgtgtgt 360
290 gtgtttccat cgattggcct tgggttatca ttgctgctga ccagatgcag tccctcccat 420
292 ttacagtata gaagacaccc ccctcccgtg aaggagggac ggtttaattt tgaataattt 480
294 ccaaggacac tggggaaaat gaagtatctg tgatttacac taacaggcaa cttctttctc 540
296 tctccttctc tccctctctc ttccccgaca gaggcagtca tgtacgaaac attaaaaat 598

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299 <210> SEQ ID NO: 11

300 <211> LENGTH: 598

301 <212> TYPE: DNA

302 <213> ORGANISM: Bovine MMBT00008

304 <220> FEATURE:

305 <221> NAME/KEY: misc_feature

306 <222> LOCATION: (1)..(129)

307 <223> OTHER INFORMATION: n is any nucleotide

309 <400> SEQUENCE: 11

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314 nnnnnnnnnc tcaaccagc acagaggggc tggatcagaa ctacttctc atcggtttt 180
316 ccaccatggg gttccccctg cccggacgct cgatcttgaa aacttcatcc acgaagacaa 240
318 tccgacagtc attgagagaa tcacccttac aagagaacag gcctgttagg atgaccagcr 300
320 ggccagtctc accgatgacc ccaaaagacc cggccacttg gacatgttct cagagcccat 360
322 gaacagctct gattctaatt ataysgtaga agaggttttc gyggggccct atgaactcgc 420
324 ctagctacta ccctcgmaaa ttcaagtcct accacatcag gaacgagggtg aaaacaaata 480
326 agccagagtt tcagtatgtg atgcattttc gagaataatt tttaaccttt ggcagggtgag 540
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331 <210> SEQ ID NO: 12

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334 <213> ORGANISM: Bovine MMBT00087

336 <400> SEQUENCE: 12

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339	cgtcagagat	gataatctcc	aaagaactga	ttcaaggtaa	cccacttkgt	gggaggctga	120
341	agcttaaatc	agaaaacccs	ttctttaata	cagagtgaga	agtggaatct	ctgcttagtg	180
343	tgacatgaaa	aatccagtct	ctgtgagttt	gctattagag	taagagggat	tcgttaggtg	240
345	agactaatgg	gtagttgtct	catggcatac	gggatcttcc	tggaccagga	attgaacccr	300
347	tgctcycctgc	atttcaggca	gattctttac	cactgagcca	ccgaggaagc	cctgtgcttg	360
349	ctcttytggt	tgtttttctt	ggtgctgaga	gtcacaggga	tagatctgcc	tgggtgaatc	420
351	tgttggtgaaa	gctttagcct	caagatatct	atgctcagca	cagattcaga	aaatgttctg	480
353	aatcatctgc	tggctgaaac	atccraggac	tcagtacatc	gtctgacaga	tatgtggaca	540
355	ggagacatcc	agtaaggatg	cacagtggcc	ggtgatcact	cgagggtgtg	gacactcttg	600

358 <210> SEQ ID NO: 13

359 <211> LENGTH: 600

360 <212> TYPE: DNA

361 <213> ORGANISM: Bovine MMBT00070

363 <400> SEQUENCE: 13

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366	gccttgctcct	cccatcccca	ctggagatct	ttgctgggtg	ccctgccctg	ggagggttgg	120
368	acacagaggg	tgagagaccc	tctctgcgca	tgcggtctga	tgggcagagg	ccagtgacct	180
370	gctgggcagc	tcaggccagc	cctgggcctc	actgaaacct	gtccctggcc	cagcaggccc	240
372	ctgcttccag	ggaggttctg	gggtgtgatg	tgggaagcgg	ccttgggtctg	taaatgcacr	300
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376	tctgcaccca	gacagccttg	tttcattatc	ttatgtatct	gtctgtggct	gtgtcaggcc	420
378	tcagctgcgg	cacgcagagt	ccaggcgtgc	gggcttctcc	cttgtcgagg	tgtgcaggat	480
380	cagtagctgc	gaccacagg	ctgagctgct	ccgcggcagg	tgggactcag	ctccccaagc	540
382	aggcatccaa	cctgcatcgg	atgggcaggc	ggatcctcag	ccactggacc	ccccagcagc	600

385 <210> SEQ ID NO: 14

386 <211> LENGTH: 598

387 <212> TYPE: DNA

388 <213> ORGANISM: Bovine MMBT00430

390 <220> FEATURE:

391 <221> NAME/KEY: misc_feature

392 <222> LOCATION: (1)..(163)

393 <223> OTHER INFORMATION: n is any nucleotide

395 <400> SEQUENCE: 14

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398	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	120
400	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnntctgcta	ggttacattc	180
402	actataggcc	taggagggtc	accagctggg	gagagcggat	ggccactga	aaagagcatc	240
404	ctaacagggc	cacctagtga	atgctcagct	tcttagggaa	acttcttttc	agtattggtr	300
406	tctgaagtat	tgatctgatg	gaggaagagc	catgctcttc	atggagacca	ttatcaggga	360
408	ttttatggac	tattgcttca	ggtggagtgt	ggagtaatta	tttccttaag	actctttgta	420
410	tgtataattg	tattcctgct	actcaggata	tggttcagaaa	ataattacta	ttgaattaac	480
412	tgcattgaca	gtctttcart	tctactacca	agactgtttg	catttaagct	aagtttcctc	540
414	cttgccaata	tgtgtctgtt	acaataagca	tttcaactaa	attagcatct	cagtaaca	598
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RAW SEQUENCE LISTING ERROR SUMMARY

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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 Seq#:14; N Pos. 118,119,120,121,122,123,124,125,126,127,128,129,130,131,132
 Seq#:14; N Pos. 133,134,135,136,137,138,139,140,141,142,143,144,145,146,147
 Seq#:14; N Pos. 148,149,150,151,152,153,154,155,156,157,158,159,160,161,162
 Seq#:14; N Pos. 163
 Seq#:19; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
 Seq#:19; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
 Seq#:19; N Pos. 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
 Seq#:19; N Pos. 64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83
 Seq#:19; N Pos. 84,85,86,87
 Seq#:20; N Pos. 1
 Seq#:27; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
 Seq#:27; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
 Seq#:27; N Pos. 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
 Seq#:27; N Pos. 64,65,66,67,68,69,70
 Seq#:33; N Pos. 1,2,3
 Seq#:35; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
 Seq#:35; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
 Seq#:35; N Pos. 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
 Seq#:35; N Pos. 64,65,66,67,68,69,70,71,72,73,74,75
 Seq#:37; N Pos. 1,2
 Seq#:38; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
 Seq#:38; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
 Seq#:38; N Pos. 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
 Seq#:38; N Pos. 64

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/750,185DATE: 07/11/2005
TIME: 15:59:34Input Set : E:\MMI1100-2.txt
Output Set: N:\CRF4\07112005\J750185.raw

Seq#:44; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:44; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
Seq#:44; N Pos. 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
Seq#:44; N Pos. 64
Seq#:46; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:46; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
Seq#:46; N Pos. 44,45,46,47,48,49,50

VERIFICATION SUMMARY

DATE: 07/11/2005

PATENT APPLICATION: US/10/750,185

TIME: 15:59:34

Input Set : E:\MMI1100-2.txt

Output Set: N:\CRF4\07112005\J750185.raw

L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
 M:341 Repeated in SeqNo=8
 L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
 L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
 M:341 Repeated in SeqNo=11
 L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
 M:341 Repeated in SeqNo=14
 L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
 M:341 Repeated in SeqNo=19
 L:568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
 L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
 M:341 Repeated in SeqNo=27
 L:929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
 L:988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
 M:341 Repeated in SeqNo=35
 L:1047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
 L:1081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
 M:341 Repeated in SeqNo=38
 L:1246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
 M:341 Repeated in SeqNo=44
 L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
 L:1418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
 L:1560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
 M:341 Repeated in SeqNo=55
 L:1727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
 L:1867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0
 M:341 Repeated in SeqNo=66
 L:2244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0
 L:2276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
 L:2576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:0
 L:2880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:0
 M:341 Repeated in SeqNo=103
 L:2993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:0
 L:3160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:0
 L:4216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:0
 M:341 Repeated in SeqNo=152
 L:4626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167 after pos.:0
 M:341 Repeated in SeqNo=167
 L:4874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:0
 M:341 Repeated in SeqNo=176
 L:5041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:0
 M:341 Repeated in SeqNo=182
 L:5073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:0
 M:341 Repeated in SeqNo=183
 L:5348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:0
 L:5679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:0
 M:341 Repeated in SeqNo=205
 L:5873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0

VERIFICATION SUMMARY

DATE: 07/11/2005

PATENT APPLICATION: US/10/750,185

TIME: 15:59:34

Input Set : E:\MMI1100-2.txt

Output Set: N:\CRF4\07112005\J750185.raw

L:6202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224 after pos.:0

L:6477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234 after pos.:0